

AROMATIC POLYESTER AND ITS PREPARATION

Patent number: JP6122756
Publication date: 1994-05-06
Inventor: KOIDE SHUNICHI; NAKAMURA KAZUMOTO;
YAMAUCHI TOSHIO; NOJIRI OSAMU
Applicant: PETROLEUM ENERGY CENTER FOUND;; SHOWA
SHELL SEKIYU
Classification:
- international: C08G63/19; C08G63/189; C08G63/79
- european:
Application number: JP19920299204 19921012
Priority number(s): JP19920299204 19921012

Report a data error here

Abstract of JP6122756

PURPOSE:To obtain a heat-resistant, easily melt-moldable aromatic polyester by performing the interfacial polycondensation of resorcinol with 2,7-naphthalenedicarboxylic acid halide in a specified manner. **CONSTITUTION:**This aromatic polyester comprising repeating units of the formula is obtained by performing the interfacial polycondensation by contact of an aqueous medium containing resorcinol with an organic medium prepared by dissolving 2,7-naphthalenedicarboxylic acid halide in an organic solvent immiscible with the aqueous medium in the presence of a phase transfer catalyst. Because this polyester has a melting point of 219 deg.C and a heat decomposition temperature of 435 deg.C which are greatly different from each other, it can give an excellent molding not suffering the coloration and deterioration due to heat decomposition during melt molding. Further, it has a high glass transition temperature, is excellent in heat resistance and moldability, and can be extensively used in applications such as moldings, films, fibers, coating materials and adhesives in the electrical field, the automobile field, the mechanical field, the medical field and the sundry field.

Data supplied from the **esp@cenet** database - Worldwide